

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**



2182

DOCKET NO.: CRNT-0068

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Paul A. Kline

Serial No.: 10/075,332

Group Art Unit: 2182

Filing Date: February 14, 2002

Examiner: Not yet assigned

For: DATA COMMUNICATION OVER A POWER LINE

RECEIVED

JUL 23 2002

Technology Center 2100

DATE OF DEPOSIT: 7-15-02

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

TYPED NAME: Raymond N. Scott, Jr.  
REGISTRATION NO.: 48,666

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

RECEIVED

JAN 12 2003

Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☐ In view of the voluminous nature of references **[list as appropriate]**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

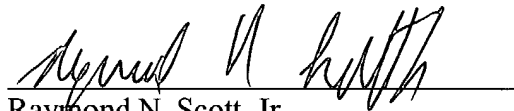
- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

English language abstracts have been provided for those listed references which are not in the English language.

Date:

7-15-02



Raymond N. Scott, Jr.  
Registration No. 48,666

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>CRNT-0068</b>	Serial No. <b>10/075,332</b>
	Applicant <b>Paul A. Kline</b>	
	Filing Date <b>February 14, 2002</b>	<b>RECEIVED</b> <b>JUL 23 2002</b> Technology Center 2100

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	1	3,911,415	10/07/75	Whyte	340	310
	2	3,942,168	03/02/76	Whyte	340	310.01
	3	3,967,264	06/29/76	Whyte et al.	340	310.08
	4	4,119,948	10/10/78	Ward et al.	340	870.02
	5	4,268,818	05/19/81	Davis et al.	340	870.38
	6	4,468,792	08/28/84	Baker et al.	375	45
	7	4,495,386	01/22/85	Brown et al.	455	402
	8	4,686,641	08/11/87	Evans	364	580
	9	B1 4,749,992	06/11/96	Fitzmeyer et al.	340	870.02
	10	4,785,195	11/15/88	Rochelle et al.	307	18
	11	4,835,517	05/30/89	van der Gracht et al.	340	310 A
	12	4,979,183	12/18/90	Cowart	375	142
	13	5,319,634	06/07/94	Bartholomew et al.	370	18
	14	5,351,272	09/27/94	Abraham	375	38
	15	5,359,625	10/25/94	Vander Mey et al.	375	1
	16	5,375,141	10/20/94	Takahashi	375	1
	17	5,432,841	07/11/95	Rimer	455	457
	18	5,461,629	10/24/95	Sutterlin et al.	371	30
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		

**RECEIVED**  
**JAN 12 2003**  
 Technology Center 2600

**Form PTO-1449 Modified**Docket No.  
**CRNT-0068**Serial No.  
**10/075,332**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Paul A. Kline****RECEIVED****JUL 23 2002**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**February 14, 2002**Group  
**Technology Center 2100****U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	19	5,579,335	11/26/96	Sutterlin et al.	375	200
	20	5,630,204	05/13/97	Hylton et al.	455	3.3
	21	5,640,416	06/17/97	Chalmers	375	147
	22	5,664,002	09/02/97	Skinner, Sr.	379	56.2
	23	5,694,108	12/02/97	Shuey	340	310.01
	24	5,748,671	05/05/98	Sutterlin et al.	375	206
	25	5,774,526	06/30/98	Propp et al.	379	90.1
	26	5,777,544	07/07/98	Vander Mey et al.	340	310.06
	27	5,777,769	07/07/98	Coutinho	359	173
	28	5,802,102	09/01/98	Davidovici	375	152
	29	5,847,447	12/08/98	Rozin et al.	257	678
	30	5,864,284	01/26/99	Sanderson et al.	340	310.01
	31	5,880,677	03/09/99	Lestician	340	825.06
	32	5,881,098	03/09/99	Tzou	375	152
	33	5,929,750	07/27/99	Brown	340	310.02
	34	5,937,003	08/10/99	Sutterlin et al.	375	208
	35	5,937,342	08/10/99	Kline	455	402
	36	5,963,585	10/05/99	Omura et al.	375	207
	37	6,037,678	03/14/00	Rickard	307	89
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		



**Form PTO-1449 Modified**Docket No.  
**CRNT-0068**Serial No.  
**10/075,332**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Paul A. Kline**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**February 14, 2002**Group  
**2182****U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	38	6,040,759	03/21/00	Sanderson	340	310.01
	39	6,226,166 B1	05/01/01	Gumley et al.	361	118
	40	6,282,405 B1	08/28/01	Brown	725	79
	41	6,297,729 B1	10/02/01	Abali et al.	340	310.01
	42	2002/0027496 A1	03/07/02	Cern et al.	340	310.01
	43	S.N. 09/765,910	01/19/01	Kline	-----	-----
	44	S.N. 09/805,638	03/14/01	Kline	-----	-----
	45	S.N. 09/837,972	04/19/01	Kline et al.	-----	-----
	46	S.N. 09/924,730	08/08/01	Kline	-----	-----
	47	S.N. 10/016,998	12/14/01	Kline	-----	-----
	48	S.N. 10/036,914	12/21/01	Mollenkopf et al.	-----	-----
	49	S.N. 10/150,694	05/16/02	Gidge	-----	-----
	50	S.N. 10/165,992	06/10/02	Kline	-----	-----
	51	S.N. 10/176,500	06/21/02	Pridmore, Jr. et al.	-----	-----
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		



RECEIVED

JUL 23 2002

Technology Center 2700

RECEIVED  
JAN 12 2003  
Technology Center 2600

**Form PTO-1449 Modified**Docket No.  
**CRNT-0068**Serial No.  
**10/075,332**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Paul A. Kline**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**February 14, 2002**Group  
**2182****FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	<b>52</b>	197 28 270 A1	01/07/99	DE	X abstract	
	<b>53</b>	2 122 920 A1	12/16/98	ES	X abstract	
	<b>54</b>	2 335 335 A	09/15/99	GB		
	<b>55</b>	2 341 776 A	03/22/00	GB		
	<b>56</b>	0 959 569 A1	11/24/99	EP	X abstract	
	<b>57</b>	0 913 955 A2	05/06/99	EP		
	<b>58</b>	98/01905 A1	01/15/98	WO		
	<b>59</b>	98/33258 A2	07/30/98	WO		
	<b>60</b>	98/33258 A3	07/30/98	WO		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		



**RECEIVED**  
JAN 12 2003  
Technology Center 2800

**RECEIVED**  
JUL 23 2002  
Technology Center 2100

**Form PTO-1449 Modified**Docket No.  
**CRNT-0068**Serial No.  
**10/075,332**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Paul A. Kline**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**February 14, 2002**Group  
**2182****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

- |    |  |
|----|--|
| 61 | Patent Abstracts of Japan, Japanese Publication No. 10200544 A2, published <b>July 31, 1998</b> , (Matsushita Electric Works, LTD) |
| 62 | International Search Report issued in PCT Application No. PCT/US01/01810, Date of Mailing: May 2, 2001                             |
| 63 | International Search Report issued in PCT Application No. PCT/US01/12699, Date of Mailing: July 16, 2001                           |
| 64 | International Search Report issued in PCT Application No. PCT/US01/12291, Date of Mailing: October 22, 2001                        |
| 65 | International Search Report issued in PCT Application No. PCT/US01/48064, Date of Mailing: June 5, 2002                            |
| 66 | Written Opinion issued in PCT Application No. PCT/US01/12699, Date of Mailing: May 15, 2002  |

JUL 23 2002

Technology Center 2100

**EXAMINER****DATE CONSIDERED**

RECEIVED  
JAN 14 2003  
Technology Center 2600

RECEIVED